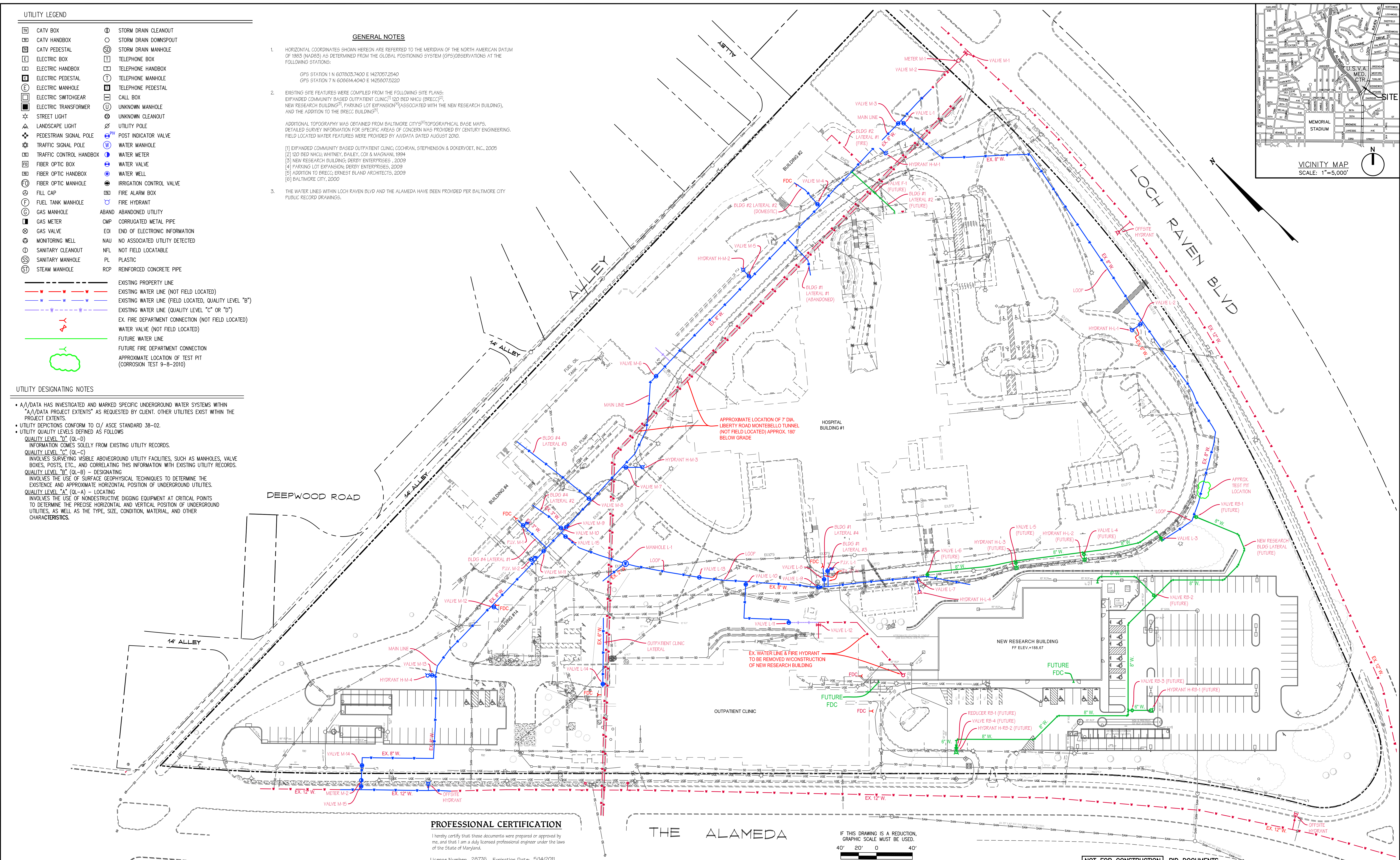


C:\DRAWING\LAND\505\505\2007\2284.L0 VA Ion Raven Waterline project\DWG\2284.DWG, 3/28/2011 9:11:34 AM, Adobe PDF 3042x3.

three inches = one foot
one and one half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



UTILITY LEGEND

	CATV BOX		STORM DRAIN CLEANOUT
	CATV HANDBOX		STORM DRAIN DOWNSPOUT
	CATV PEDESTAL		STORM DRAIN MANHOLE
	ELECTRIC BOX		TELEPHONE HANDBOX
	ELECTRIC HANDBOX		TELEPHONE MANHOLE
	ELECTRIC PEDESTAL		TELEPHONE PEDESTAL
	ELECTRIC MANHOLE		CALL BOX
	ELECTRIC SWITCHGEAR		UNKNOWN MANHOLE
	ELECTRIC TRANSFORMER		UNKNOWN CLEANOUT
	STREET LIGHT		UTILITY POLE
	LANDSCAPE LIGHT		POST INDICATOR VALVE
	PEDESTRIAN SIGNAL POLE		WATER MANHOLE
	TRAFFIC SIGNAL POLE		WATER METER
	TRAFFIC CONTROL HANDBOX		WATER VALVE
	FIBER OPTIC BOX		WATER WELL
	FIBER OPTIC HANDBOX		IRRIGATION CONTROL VALVE
	FIBER OPTIC MANHOLE		FILL CAP
	FUEL TANK MANHOLE		FIRE ALARM BOX
	GAS MANHOLE		FIRE HYDRANT
	ABANDONED UTILITY		CORRUGATED METAL PIPE
	GAS METER		END OF ELECTRONIC INFORMATION
	GAS VALVE		NO ASSOCIATED UTILITY DETECTED
	MONITORING WELL		NOT FIELD LOCATABLE
	SANITARY CLEANOUT		PLASTIC
	SANITARY MANHOLE		REINFORCED CONCRETE PIPE
	STEAM MANHOLE		

EXISTING PROPERTY LINE
EXISTING WATER LINE (NOT FIELD LOCATED)
EXISTING WATER LINE (FIELD LOCATED, QUALITY LEVEL "B")
EXISTING WATER LINE (QUALITY LEVEL "C" OR "D")
EX. FIRE DEPARTMENT CONNECTION (NOT FIELD LOCATED)
WATER VALVE (NOT FIELD LOCATED)
FUTURE WATER LINE
FUTURE FIRE DEPARTMENT CONNECTION
APPROXIMATE LOCATION OF TEST PIT (CORROSION TEST 9-8-2010)

UTILITY DESIGNATING NOTES

- A//DATA HAS INVESTIGATED AND MARKED SPECIFIC UNDERGROUND WATER SYSTEMS WITHIN "A//DATA PROJECT EXTENTS" AS REQUESTED BY CLIENT. OTHER UTILITIES EXIST WITHIN THE PROJECT EXTENTS.
- UTILITY DEPICTIONS CONFORM TO C/ ASCE STANDARD 38-02.
- UTILITY QUALITY LEVELS DEFINED AS FOLLOWS:
 - QUALITY LEVEL "D" (QL-D) - INFORMATION COMES SOLELY FROM EXISTING UTILITY RECORDS.
 - QUALITY LEVEL "C" (QL-C) - INVOLVES SURVEYING VISIBLE ABOVEGROUND UTILITY FACILITIES, SUCH AS MANHOLES, VALVE BOXES, POSTS, ETC., AND CORRELATING THIS INFORMATION WITH EXISTING UTILITY RECORDS.
 - QUALITY LEVEL "B" (QL-B) - DESIGNATING INVOLVES THE USE OF SURFACE GEOPHYSICAL TECHNIQUES TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF UNDERGROUND UTILITIES.
 - QUALITY LEVEL "A" (QL-A) - LOCATING INVOLVES THE USE OF NONDESTRUCTIVE DIGGING EQUIPMENT AT CRITICAL POINTS TO DETERMINE THE PRECISE HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

GENERAL NOTES

- HORIZONTAL COORDINATES SHOWN HEREON ARE REFERRED TO THE MERIDIAN OF THE NORTH AMERICAN DATUM OF 1983 (NAD83) AS DETERMINED FROM THE GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS AT THE FOLLOWING STATIONS:
GPS STATION 1 N 607803.7400 E 1427087.2540
GPS STATION 7 N 608614.4040 E 142807.5220
- EXISTING SITE FEATURES WERE COMPILED FROM THE FOLLOWING SITE PLANS:
EXPANDED COMMUNITY BASED OUTPATIENT CLINIC⁽¹⁾, 120 BED NHU (BREC)⁽²⁾,
NEW RESEARCH BUILDING⁽³⁾, PARKING LOT EXPANSION⁽⁴⁾ (ASSOCIATED WITH THE NEW RESEARCH BUILDING),
AND THE ADDITION TO THE BREC BUILDING⁽⁵⁾.

(1) EXPANDED COMMUNITY BASED OUTPATIENT CLINIC, COCHRAN, STEPHENSON & DOKRYOET, INC., 2005
(2) 120 BED NHU, WHITNEY, BAILEY, COX & MAGNANI, 1994
(3) NEW RESEARCH BUILDING, DERBY ENTERPRISES, 2009
(4) PARKING LOT EXPANSION, DERBY ENTERPRISES, 2009
(5) ADDITION TO BREC, ERNEST BLAND ARCHITECTS, 2009
(6) BALTIMORE CITY, 2000
- THE WATER LINES WITHIN LOCH RAVEN BLVD AND THE ALAMEDA HAVE BEEN PROVIDED PER BALTIMORE CITY PUBLIC RECORD DRAWINGS.

PROFESSIONAL CERTIFICATION

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License Number: 28776 - Expiration Date: 5/14/2011

Additions:	Date:	Consultants: CENTURY ENGINEERING MECHANICAL / ELECTRICAL CONSULTING - CIVIL ENGINEERING 10710 QUARRY RD. HAVT VALLEY, MD 21036 443.589.2400 - FAX 443.589.2401	Building Cost Consultants 1301 Enterprise Court, Suite 103-C Bel Air, Maryland 21014-1847 410.803.2141 410.838.1603 www.polt-design.com	Seal: 	Drawing Scale: 1"=40'	Drawing Title: EXISTING CAMPUS WATER INFRASTRUCTURE EXHIBIT	Project Title: REPLACE WATER VALVE SYSTEM	Date: 03-28-2011	
Revisions:		DUNLAP ENGINEERING, INC. STRUCTURAL ENGINEERING 14115 BLENHEIM ROAD PHENIX, MARYLAND 21131-1827 410.817.9900 - FAX 410.817.9901			Drawing Start Date:	Approved: Associate Director for Operations:	Building No: N/A	Checked: BWJ	Project No: 512-10-144
					Drawing Finish Date:	Approved: Chief, Facilities Engineer:	Drawn: RDT		DRAWING NO: WE-001
					Drawing Approved:	Approved: Director, Medical Center:	Location: VAMHCS MEDICAL CENTER LOCH RAVEN		Dwg. 1 Of 2

NOT FOR CONSTRUCTION BID DOCUMENTS

DEPARTMENT OF VETERANS AFFAIRS